1: Jochelson E-5 (1900-01) 1908 RY4 Koryak RY4

142 developed. The cut of the eye, nevertheless, is wider than that of the Mongolian. The lower eyelid seldom forms a straight line, which produces the effect of a narrow Mongolian eye. With rare exceptions it is more or less arched. Frequently the fold over the upper lid is but slightly developed; and instances are found of a wide-open eye, like that of the Caucasian race. For instance, the eyes of the boy (Plate XVII, Fig. 1) and of the woman (Plate XVI, Fig. 2) approach this type.

The eyebrows of the Koryak do not form a regular narrow line or arch. They usually grow irregularly, forming an unsymmetrical broad line, and meet on the glabella above the bridge of the nose. This gives a severe expression to the face; and at a distance the eyebrows appear to be thick and heavy. The eyelashes are very thin, and hardly perceptible.

The measurements of the nose have not been worked up as yet; and so far, I can only say that the nose is of moderate width. Its profile is depressed above, straight lower down. The bridge of the nose of men is higher, the nose is longer, and the nostrils are less frequently turned upward, than is the case with the women. The short, low-bridged nose of the women, with a wide bizygomatic diameter of the face, gives, in most cases, the impression of the flat Mongolian face. A projecting nose with a high bridge is more frequently met with among men than among women, but I never saw an aquiline nose.

The growth of hair on the face is scanty. As statements from memory, based on personal impressions, are liable to be misleading, I have taken the data pertaining to this point from the measurement notes.

302 Out of 185 men over twenty years of age, 66 (35.7 per cent) had no
149 growth of hair on their faces; 32 (17.3 per cent) had removed it by shaving, clipping with a knife, or by pulling it out; 37 (20 per cent) had a mustache only; 37 (20 per cent) removed the whiskers, leaving the mustache; and 13 (7 per cent) had whiskers and mustache. The hair of the mustache is usually thin, short, and straight. A long, thick mustache is seldom found. Age has nothing to do with the wearing of a mustache. Young men often have a mustache, while old men will pull it out. As a rule, hair does not appear on the face till rather late in life. More than half the persons without any growth of hair on the face were from twenty to twenty-five years of age, and some of them may yet grow a beard.

142 Men, after reaching the age of forty, usually allow the beard to grow,
● 145 although the only two old men mentioned in our notes, who had gray hair (one was said to be sixty, and the other seventy years old), had mustaches only, and were in the habit of pulling out their whiskers. Usually the beard consists of a short, scanty growth upon the chin, though sometimes there are stray tufts of hair on the cheeks also. I saw only one Koryak of Penshina Bay with a more or less thick round beard, — an old man of the village of

1: Jochelson E-5 (1900-01) 1908 RY4 Koryak RY4

145 142 Ma'meč; and he gave me the impression of being a Russian-Koryak half-blood. I heard that the Alutor people have a more abundant growth of hair on their faces; but those whom I saw did not differ in this respect from other Koryak.[1]

142 It is quite impossible to define the shades of color of the skin without the assistance of chromatic tables, which we did not have with us; so we can speak on this point only in a general way.

The characteristic coloring of the Koryak skin is of the bronze scale of tints, ranging from light brown to copper-red and dull brown, and is darker on the exposed parts. The skin of the women is of a somewhat lighter shade. It is easy to distinguish between the color of skin of the Koryak and that of his neighbors, the Tungus and the Russians. The Koryak skin seems to me to lack entirely the yellow pigment of the Tungus skin, as well as the pale white of the Russian. In comparison with the Koryak, the Tungus appeared white to me.

I observed an interesting illustration of this. In the summer of 1901 I was at the mouth of the Avekova River, where a few Koryak and Tungus families were hunting and fishing. Once when I was present at a contest between two boys, a Tungus and a Koryak, with their bodies stripped to the waist, I was struck by the whiteness of the body of the Tungus boy compared with that of the Koryak. The photograph which I took then illustrates this difference well (see Plate XVIII, Fig. 2).

I was often struck by the light color of the skin of the Tungus (at least, the northern members of the tribes with whom I came in contact), particularly of their women and children. When I examined their skin closer, and compared it with mine or with that of my European fellow-travellers, I discovered that the Tungus skin is actually a light yellow (the color of a lemon-rind), or even somewhat lighter, while the skin of northern Europeans is of a bluish-milky or rosy-white color.

The bright-red cheeks so often seen on young Tungus women are particularly misleading as to the character of their complexion. The greater part of the northern Tungus seen by me were of a dark-yellow or dull earthy hue.

The above description of the color of the Koryak skin is as accurate as it is possible to give it without the aid of tables.

619 58: The tribes with whom some branches of the Koryak formerly intermarried, and do even at present, are the Chukchee, Kamchadal, Tungus, Russians, Yakut, Chuvantzy, and Yukaghir. The Reindeer Koryak of the Palpal, at the southern border of the Chukchee territory, intermarry mainly with the Chukchee. In northern Kamchatka the Maritime Koryak have long inter-

[1] It is of interest to note that the conqueror of Kamchatka, Atlasoff, in his report, characterized the Koryak as a bearded people. Barrett-Hamilton and Jones (A Visit to Karaginski Island, Kamchatka (Geographical Journal, London, 1898, Vol. XII, p. 290)) tell that some of the men of the Karagha village were bearded, and they regard this as due to a mixture with Russian blood.

1: Jochelson E-5 (1900-01) 1908 RY4 Koryak RY

842 that twenty-two women of from forty years of age and over had 120 children, — one had 1 child; five had 3 children each; four had 4 each; three had 5 each; two had 6 each; one had 7; three had 8 each; one had 9; one had 10; and one had 11. If we assume that all these women are unable to bear any more children (which evidently cannot be said with certainty), we shall then have an average of 5.5 births of living children to every woman, a considerable coefficient of female fecundity.

Of the total number of women whose measurements were taken, 13 per cent had never borne children. However, a part of these women were the wives of bigamists both wives of whom were infecund, and in such cases the husband may have been the cause of the sterility.

145 805 The accounts given by some travellers, of the extreme age reached by the Koryak, are much exaggerated. We could ascertain the age of the Koryak only approximately, by judging from their appearance, for they themselves do not know their age.

When conversing with old people, we tried to call up some event of their childhood, or of some other period of their life, which had left an impression on their memory. For instance, we tried to ascertain who was the chief of the district at the time of a person's marriage. In most cases the recollection of a Koryak regarding the events in his life is extremely confused.

162 145 In making our records we found, out of 284 men, only 13 whom we judged to be more than fifty-five years of age, and but one very old man, a Reindeer Koryak. He was not less than seventy years old, according to recollections of his children, and he may have been older. He was no longer able to drive reindeer, and was brought to us by one of his grandsons. Old women are met with even less frequently than old men.

161 On the basis of the above data, it is difficult to give a definite answer to the question whether the tribe is increasing in numbers or not. I shall touch upon this point in Chapter III; but, speaking generally, the Koryak population at present is increasing in the intervals between epidemics and famines. Epidemics especially carry off the increase of many years. Some Koryak settlements, those which have been or are at present subjected to the process of Russianization, are perceptibly decreasing in numbers.

[164] There is no reason to suppose that the Reindeer Koryak — perhaps with a few exceptions — are decreasing in numbers. They come less in contact with the Russians and with civilization in general than do the Maritime Koryak; they are better provided with means of subsistence, and have therefore preserved to a greater degree their primitive energy, so indispensable in a struggle with the adverse conditions of arctic life. There is no doubt that the Koryak were not very numerous in the past. That which is now accomplished by diseases imported by the Russians was effected in olden times by wars and famines.